Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/27/2019 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124541	-1	1.06	124612	1.04
Blue	F	SSC	125000	123792	-1	1.58	124644	1.54
Blue	E	FITC	16122	15540	-4	2.61	339	20.34
Blue	D	PE	29316	28703	-3	1.83	625	14.26
Blue	B	PerCP-Cy5-5	42590	41743	-2	3.55	1127	19.97
Blue	A	PE-Cy7	33146	33140	-1	6.01	637	39.16
Red	C	APC	45473	45238	-1	2.36	1603	12.01
Red	A	APC-Cy7	31961	31226	-3	2.29	826	11.96
Violet	B	V450	7914	7589	-5	4.86	424	13.61
Violet	A	V500	29769	28375	-5	4.61	660	11.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20604	2.67	605	5	N/A	N/A	Pass
Blue	F	SSC	56316	1.10	552	14	N/A	N/A	Pass
Blue	E	FITC	61	65.09	538	1	0.0193	138	Pass
Blue	D	PE	130	47.72	541	4	0.1716	255	Pass
Blue	B	PerCP-Cy5-5	208	48.00	644	6	0.0093	33	Pass
Blue	A	PE-Cy7	117	100.74	697	6	0.0120	27	Pass
Red	C	APC	380	25.56	587	8	0.0252	201	Pass
Red	A	APC-Cy7	182	29.07	563	7	0.0056	1136	Pass
Violet	B	V450	64	63.54	462	2	0.0543	2564	Pass
Violet	A	V500	99	36.68	473	1	0.0203	971	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/27/2019 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.61	-32.13	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.44	13.60 - 20.40	N/A	N/A	29.57	30.08	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13439

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments